

Wisconsin Department of Natural Resources

Monitoring the Implementation of Property Master Plans

Property Grouping: Lower Wolf River Bottomlands Natural Resources Area (LWRBNRA)

Master Plan Year: 2012

Native Community Management Area: Lower Wolf and Embarrass River Corridors

<p>MASTER PLAN OBJECTIVES</p>	<ul style="list-style-type: none"> • Maintain and enhance the extent, quality, and connectivity of Floodplain Forest and Southern Hardwood Swamp, and maintain their connections to adjacent open habitats (e.g., marshes, shrub swamps), to benefit common species such as wood duck, raccoon, white-tailed deer, wild turkey, and beaver and uncommon species such as red-shouldered hawk, cerulean warbler, and prothonotary warbler. • Maintain a functioning Floodplain Forest ecosystem that contains many older trees and large-diameter trees, snags, coarse woody debris, patches of younger regenerating forest, habitat for the fullest range of Floodplain Forest species as possible, and minimal populations of invasive exotic species. The desired forest condition in this type of stand-level mosaic may be represented by the following tree size-class distribution (DBH = Diameter at Breast Height): <ul style="list-style-type: none"> • 0-5" DBH: 10% of patches within stands • 5-11" DBH: 15% of patches within stands • 11-15" DBH: 15% of patches within stands • 15-30" DBH: 60% of patches within stands • >30" DBH: at least 1 tree/acre throughout the bottomlands (Note: there are areas of bottomland hardwoods that are not suitable for conducting logging operations. These areas would be allowed to develop and could conceivably reach stand averages of 30" DBH, barring any natural disturbances such as wind storms, major floods or insect outbreaks. Even in the managed areas, 75% of the stand area would always be in a larger-diameter (sawlog) size class.) • Manage non-Floodplain Forest communities to complement the Floodplain Forest objectives and support aquatic habitat management objectives and, secondarily, to support the wildlife habitat management objectives described under Habitat Management Area (p. 15).
<p>Accomplishments 2014</p>	<p>Multiple BH stands have been marked on Navarino WA (Compartment 2), LWRBNRA-Wilderness Unit & Niemuth parcel, & Outagamie WA following management guidelines, taking into consideration walleye spawning marshes, cavities for wood ducks and other species that utilize them for nesting, and coarse woody debris recruitment into the river for fish, reptile, and aquatic invertebrate substrate.</p>

	Mukwa WA: Timber Sale pre-treatment – Anchor chain scarification for oak regeneration (Blue Barrel Timber Sale). Established two deer enclosure fences within timber sale area (Blue Barrel) to promote and assess post-harvest regeneration and establishment of new cohort BH spp. within group selection areas.
--	--

Habitat Management Areas: General Habitat Management Objectives

<i>MASTER PLAN OBJECTIVES</i>	<ul style="list-style-type: none"> • Provide maximum wildlife benefits on wetlands, particularly habitat for waterfowl nesting, brood rearing, and migratory stopover. • Provide larger blocks of habitat and a continuum of habitats from lowland to upland; and provide linkages between habitat blocks that create travel corridors for the movement of species over time. • Provide high-quality habitat for forest game and non-game species, with an emphasis on oak, aspen, native white pine, and swamp conifer habitats. • Protect, enhance, and expand turtle nesting opportunities. 						
<i>Accomplishments 2014</i>	<p>The primary objective is to regenerate early successional species of trees to benefit ruffed grouse, woodcock, golden-winged warblers, and other young forest dependent species.</p> <p>Timber marked in aspen habitat to provide for young forest dependent species—Navarino WA (Compartment 2, 3, 5 & 13) and LWRBNRA Beilfuss parcel.</p> <p>Water level control on all flowages to maximize benefits for wetland dependent species, taking into consideration water quality, quantity, and other aspects of hydrology. Dam safety inspections and designations ongoing.</p> <p>Mowed tops and sides of dikes for maintenance.</p> <p>Population monitoring activities included duck banding, bear bait survey, Sandhill crane survey, upland game bird brood survey, summer deer observations, mammal survey, wolf survey, mussel survey and breeding bird, woodcock, and amphibian surveys in conjunction with Navarino Nature Center.</p> <p>Waterfowl banding totals for Navarino WA, Wolf River Bottoms WA-Herb Behnke Unit, & LWRBNRA-Wilderness Unit (new) were:</p> <table> <tr> <td>Mallards</td><td>202</td></tr> <tr> <td>Wood ducks</td><td>491</td></tr> <tr> <td>Total</td><td>693</td></tr> </table> <p>Assisted deer research crew with lodging, logistics and information.</p>	Mallards	202	Wood ducks	491	Total	693
Mallards	202						
Wood ducks	491						
Total	693						

General Fisheries Management

MASTER PLAN OBJECTIVES	Maintain and enhance existing fisheries through habitat management and restoration, enhancement and protection, monitoring, and development of science-based angling rules.
Accomplishments 2014	Current fisheries rules on the Wolf River are meeting this objective thus there were no changes for 2014.

Fisheries Management: Walleye Spawning Marshes

MASTER PLAN OBJECTIVES	Restore, enhance, and maintain the functional values of known walleye spawning marshes and establish new walleye spawning marshes where practicable.
Accomplishments 2014	<p>A new walleye spawning marsh agreement was signed for a property to the north of Parfait's Bayou on the Wolf River upstream of New London.</p> <p>Marsh owners with expiring spawning marsh agreements were contacted in 2014 and asked about renewing their agreement for another 10 years. A number of positive responses were received and we are in the process of working with Walleyes for Tomorrow and Shadows on the Wolf to host a "Thank You" dinner to get owners together and renew the agreement leases.</p> <p>Winter conditions were not conducive to doing any marsh mowing in 2014. Deep snows in early 2014 made mowing impracticable and in late 2014 high water on the Wolf froze up early and when water levels dropped it left relatively thick shell ice again making it impracticable for doing mowing.</p>

Fisheries Management: Sturgeon Populations and Spawning Areas in the Wolf River

<p>MASTER PLAN OBJECTIVES</p>	<ul style="list-style-type: none"> • Restore, enhance, and protect the functional values of known sturgeon spawning areas on the Wolf River, and establish new quality spawning areas when opportunities allow. • Restore migrant and resident sturgeon spawning populations to the Wolf River above Shawano Paper Mill and Balsam Row dams, including the river on the Menominee Reservation and the Red River above the Shawano Paper Mill dam, without negatively impacting the Winnebago System sturgeon population or recreational fishery. Utilize fish and eggs from sturgeon stock in the lower Wolf River for this effort. • Work cooperatively with the Menominee Tribe to meet cultural sturgeon needs, and to develop and implement a cost-efficient and ecologically sound long-term process for restoring sturgeon to the upper Wolf River. Utilize fish and eggs from sturgeon stock in the lower Wolf River for this effort.
<p>Accomplishments 2014</p>	<p>There were not any sturgeon spawning areas restored in 2014. However, sturgeon spawned for numerous days at the Memorial Park location in New London which was re-rocked in 2013.</p> <p>Sturgeon for Tomorrow is interested in partnering on projects to re-rock known spawning locations within the Winnebago System and future projects will be pursued.</p> <p>150 lake sturgeon (juveniles and adults) were transferred from the Wolf River below Shawano Paper Mill Dam upstream to the Wolf River within the Menominee Reservation. Sturgeon were observed spawning below Keshena Falls for the 3rd consecutive year.</p> <p>DNR fisheries staff have attended numerous meetings to discuss fish passage (sturgeon most notably) at Balsam Row Dam and to update Menominee Sturgeon Plan. MITW, USFWS, River Alliance, and dam owner has been represented at meetings.</p>

Fisheries Management: Coarse Woody Habitat for Catfish and Other Species

<p>MASTER PLAN OBJECTIVES</p>	<ul style="list-style-type: none"> • Provide a sustainable catfish fishery with opportunities for both quality and trophy harvest. • Maintain and/or restore coarse woody habitat for catfish and the multitude of other fish and aquatic species that utilize this type of habitat.
<p>Accomplishments 2014</p>	<p>Conducted spring hoop net assessments at one site in the Wolf River to monitor adult abundance. Catch was average when compared to previous sampling years. A total of 80 net days of hoop netting were expended to capture 169 adult flathead catfish. Relative abundance was similar to 2013 and the 10 year average. Length averaged 32.4 inches (range = 21.0 – 42.7).</p>

	<p>There were not any catfish coarse woody development projects undertaken in 2014.</p> <p>Shadows on the Wolf is interested in partnering to develop coarse woody habitat and future projects will be pursued.</p>
--	---

Fisheries Management: Other Fish Species

<i>MASTER PLAN OBJECTIVES</i>	Provide balanced and diverse game, panfish and non-game fish communities.
<i>Accomplishments 2014</i>	Various fisheries surveys conducted on the Wolf River in 2014 suggest this objective is being met for the majority of species.

Fisheries Management: Mussel Habitat

<i>MASTER PLAN OBJECTIVES</i>	<ul style="list-style-type: none"> • Maintain abundant and diverse mussel populations in the Wolf River system. • Expand distribution and abundance data for mussels in the Wolf River system.
<i>Accomplishments 2014</i>	Recent mussel sampling during 2013-14 collected 27 of 29 species within the Wolf Basin. Mussel sampling was conducted at 87 sites on 20 streams within the Wolf River basin and was concentrated on the Wolf, Embarrass and Little Wolf River systems (Report in progress). Mussel sampling collected 35,498 live individuals from 27 species. Species richness at sites ranged from 0 to 20, with a mean of 10.9. The number of live species collected per site ranged from 0 to 20, and averaged 9.5. Total catch at sites ranged from 0 to 1,555 live mussels with an average of 403 individuals. Species richness and density increased with stream size and was greatest within the Wolf River proper. Mussel density and diversity within the Wolf River was habitat dependent and was greatest in run/riffle habitat with stable mixed sand/gravel/cobble substrate. Efforts to protect the riparian corridor upstream and adjacent to mussel beds will benefit the mussel community thru habitat stability. In addition, the mussel community also benefits from management practices that maintain the integrity of the ecosystem by providing good water quality and cover for their fish hosts.

General Recreation Management

MASTER PLAN OBJECTIVES	<ul style="list-style-type: none">• Provide high-quality hunting, trapping, and fishing opportunities.• Provide opportunities for high-quality, nature-based, non-hunting-related recreational activities, such as paddling, hiking, cross country skiing, and wildlife viewing, as is compatible with the property's capabilities and the primary objective, above.• To the degree practicable, accommodate compatible incidental open-space recreational uses; for example, nature study and berry picking (incidental uses are uses that are not specifically managed for on the property).
Accomplishments 2014	<p>Construct 5 car gravel parking lot to provide parking for property users.</p> <p>Continued to host "Mussels on the Wolf River" field trip through the Natural Resources Foundation.</p> <p>Waterfowl closed area boundary inspected and signs replaced on Navarino and Outagamie WA.</p>

Property: Lower Wolf River Bottomlands Natural Resources Area (LWRBNRA) Habitat Areas

Habitat Management Area: Institute of Paper Science parcel

MASTER PLAN OBJECTIVES	<ul style="list-style-type: none">• Maintain exotic hybrid larch research stand as a seed orchard for future genetic trials and possible climate change research.• Convert exotic aspen hybrid research stand to a native white pine and oak stand.
Accomplishments 2014	

Habitat Management Area: Wilderness parcel

MASTER PLAN OBJECTIVES	Management will be in accordance with the general Habitat Management Area Objectives and the Aquatic Habitat Overlay Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none"> • Restore permanent wetland habitat in the existing impoundment by manipulating water levels. • Develop 3 new flowages to enhance habitat for waterfowl. • Lower the grade of the road crossing the oxbow in the southern portion of the property and maintain as a spillway to allow water flow for walleye spawning. • Maintain the electric pumping station in the northern portion of the property used to manipulate water levels, and assess the need to retain the non-electrified pump on the bank of Wolf River in the northeast corner of the property. • Study potential strategies for managing waterfowl hunting pressure on this and adjacent state properties during traditional peak use times to enhance hunting quality.
<i>Accomplishments 2014</i>	<p>North Pool 2 east side was renovated.</p> <p>Large trees were removed from other dikes in preparation for future dike renovations.</p>

Habitat Management Area: DOT Mitigation Site parcel

MASTER PLAN OBJECTIVES	Maintain and enhance wetland habitats for diverse wildlife species, wildlife-related recreation, and floodwater management, in collaboration with the Outagamie Drainage District.
<i>Accomplishments 2014</i>	Aerially sprayed 46 acres of phragmites and hybrid cattails to create open pockets of water and to control invasive plant species.

Habitat Management Area: Lutz parcel

MASTER PLAN OBJECTIVES	Management will be in accordance with the general Habitat Management Area Objectives and the Aquatic Habitat Overlay Objectives provided in Section One of this chapter.
-------------------------------	--

<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none"> • Restore agricultural lands to native habitats after the sharecropping agreement is completed. Ditches may be plugged and small berms constructed to create basins. Prairie species may be planted to provide permanent nesting habitat. Bottomland hardwood species such as swamp white oak, silver maple, and hackberry may be planted in fields adjacent to existing stands of bottomland hardwoods. • Retain the deer-proof fence as needed to protect planted bottomland hardwoods from deer browse. When no longer needed, request bids for its removal by private contractors. • Work with NRCS to develop and implement a management plan for the existing WRP parcel on this property.
<i>Accomplishments 2014</i>	Sharecropping continues on ~200 acres of agricultural land on the property.

Special Management Area: Wilderness parcel

<i>MASTER PLAN OBJECTIVES</i>	Provide areas and facilities to support routine, seasonal, and incidental operations and administration needs.
<i>Accomplishments 2014</i>	<p>Buildings inspected for safety.</p> <p>Maintained Wilderness house and shed for use by DNR research staff.</p>

Public Use, Management, and Development: LWRBNRA Habitat Areas

<i>MASTER PLAN OBJECTIVES</i>	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none"> • Maintain 8 parking areas and 2 boat landings. • Continue working with partners to maintain the viewing platform on the DOT Mitigation Site in Outagamie County. • Provide a designated dispersed camping area (to be utilized by permit) on the Krubsack parcel in Shawano County to serve paddlers making multiple-day trips on the Wolf River. <ul style="list-style-type: none"> • Designate a location for landing canoes and kayaks near the camping area that minimizes erosion,

	<p>and post as such; maintain as necessary.</p> <ul style="list-style-type: none"> • Maintain the service road to the camping area for performing maintenance. • No facilities will be provided and visitors will be expected to remove their trash upon leaving. User regulations will be provided with camping permits. • Management of vegetation at the camping area will be minimal, as needed to ensure visitor safety, control invasive exotic plants, and provide open areas for tent placement. • Develop a 3-vehicle parking area on the Larson parcel in Waupaca County. • Evaluate recreational opportunities and parking area needs on an ongoing basis as additional parcels become available through acquisition.
<p><i>Accomplishments 2014</i></p>	<p>Parking lots were mowed for maintenance and litter removed.</p> <p>Internal roads were mowed for maintenance and to aid access for users.</p> <p>Orville Conradt parcel buildings were demolished by a contractor, recycling/reusing materials as much as possible.</p> <p>The observation platform was renovated with re-cycled deck boards and new signs. Installed commemorative plaque and property sign were installed near the renovated parking lot.</p> <p>Issued PDMD access permits: Wilderness Unit-1 & Beilfuss-2.</p> <p>Larson parcel: Maintained one 4 – vehicle ADA accessible parking area.</p>

Property:

Navarino Wildlife Area

Habitat Management Area

<i>MASTER PLAN OBJECTIVES</i>	Management will be in accordance with the general Habitat Management Area Objectives and the Aquatic Habitat Overlay Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Follow the applicable Habitat Management Area Prescriptions, Aquatic Habitat Overlay Prescriptions, and Management Prescriptions by Cover Type in Section One of this chapter, unless prescribed otherwise in the site-specific prescriptions below.• Maintain the open, treeless sandblows within the grasslands east of CTH K for tiger beetles.• Develop 4 new flowages to enhance habitat for waterfowl.• Where stands of white pine 95 years old or older occur on appropriate sites, manage them to biological maturity.
<i>Accomplishments 2014</i>	

Native Community Management Area: Navarino Cedar Swamp State Natural Area

<i>MASTER PLAN OBJECTIVES</i>	Protect a functioning white cedar swamp with little disturbance and nearly free of invasive exotic species.
<i>Accomplishments 2014</i>	

Native Community Management Area: Navarino Sedge Meadow State Natural Area

MASTER PLAN OBJECTIVES	Protect a functioning Northern Sedge Meadow.
Accomplishments 2014	

Native Community Management Area: Highway K Woods State Natural Area

MASTER PLAN OBJECTIVES	Protect a functioning Northern Dry-mesic Forest with little disturbance and nearly free of invasive exotic species.
Accomplishments 2014	

Special Management Area: Navarino Nature Center

MASTER PLAN OBJECTIVES	<ul style="list-style-type: none">• Provide areas and facilities to support operations and administration needs and provide facilities to help deliver public services and educational programming.• Provide educational programs that develop outdoor skills emphasizing appreciative as well as consumptive uses of wildlife resources and other manners of enjoying natural resources and the outdoors.• Provide interpretive and educational services that create an appreciation for wildlife and natural resources conservation and management.• Provide educational programs and demonstration of technology being used at Navarino Nature Center to foster appreciation and interest in renewable energy.
Accomplishments 2014	Trails and boardwalks were maintained by Navarino Nature Center (12 miles). Cross-country ski trails were also groomed, although less with the lack of snow.

Public Use, Management, and Development: Navarino Wildlife Area

MASTER PLAN OBJECTIVES	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none"> • Maintain 57 parking areas and 3 boat landings on the property. • Maintain the 40-acre Class 2 dog training area on Oak Road in cooperation with volunteers. • Maintain wildlife viewing area on Lindsten Road. • Maintain a 1,000-acre closed area at Pikes Peak Flowage as a waterfowl refuge (NR 11.04(4)(a), Wis. Admin. Code). • Continue working with NNC to maintain the observation platform on Pikes Peak Flowage. • Provide additional accessible wildlife viewing opportunities on Pikes Peak Flowage. • Improve the path to an accessible duck-hunting blind on McDonald Flowage.
<i>Accomplishments 2014</i>	<p>Issued 20 PDMD access permits.</p> <p>Signage was replaced for those missing/damaged on waterfowl closed area to clearly post it for hunters (approximately 4.7 miles).</p> <p>The majority of the parking lots were mowed, litter removed, and signage inspected.</p> <p>Stocked 140 pheasants total with two releases. Coordinated with clubs enrolled in the Day-Old-Chick program.</p> <p>Five sharecrop contracts for a total of 164.74 acres—19.72 in corn & 145.02 in soybeans.</p> <p>Maintained .5 mile of access roads.</p> <p>Internal roads maintained and mowed to aid access for users. Fire Control assisted to open trails with numerous trees down to facilitate timber marking & logging, and allow access for property users.</p> <p>Removed beaver dam on a snowmobile trail/bridge. The club installed a number of plastic culverts to keep water from backing up.</p>

Property: Wolf River Bottoms State Natural Area

Native Community Management Area

<i>MASTER PLAN OBJECTIVES</i>	<ul style="list-style-type: none">• Maintain the site as an old-growth Floodplain Forest preserve, aquatic preserve, wetland protection site, and as an ecological reference area.• Natural processes will largely determine the structure of the forest.
<i>Accomplishments 2014</i>	

Property: Deer Creek Wildlife Area

Habitat Management Area

<i>MASTER PLAN OBJECTIVES</i>	Management will be in accordance with the general Habitat Management Area Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Follow the applicable Habitat Management Area Prescriptions and Management Prescriptions by Cover Type in Section One of this chapter, unless prescribed otherwise in the site-specific prescriptions below.• Remove the water control structure at the outlet of the main ditch and replace with a rock spillway to help maintain the hydrology of the tamarack bog.• Maintain sand prairie openings as potential turtle nesting areas through mowing.
<i>Accomplishments 2014</i>	A 50-acre hardwood thinning was completed by the logger.

Native Community Management Area: Deer Creek Tamarack Bog State Natural Area

<i>MASTER PLAN OBJECTIVES</i>	Protect an existing black spruce-tamarack forest and open bog.
<i>Accomplishments 2014</i>	

Public Use, Management, and Development: Deer Creek Wildlife Area

MASTER PLAN OBJECTIVES	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter. <ul style="list-style-type: none">• Maintain 4 parking areas on the property.
Accomplishments 2014	Maintained parking areas by cleaning up litter and mowing grass and brush, if needed.

Property: Maine Wildlife Area

Habitat Management Area

MASTER PLAN OBJECTIVES	Management will be in accordance with the general Habitat Management Area Objectives provided in Section One of this chapter.
Accomplishments 2014	

Public Use, Management, and Development: Maine Wildlife Area

MASTER PLAN OBJECTIVES	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter. <ul style="list-style-type: none">• Maintain 1 parking area on the property.
Accomplishments 2014	Maintained parking areas by cleaning up litter and mowing grass and brush, if needed.

Property: Wolf River Bottoms Wildlife Area – Herb Behnke Unit

Habitat Management Area

<i>MASTER PLAN OBJECTIVES</i>	Management will be in accordance with the general Habitat Management Area Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Follow the applicable Habitat Management Area Prescriptions and Management Prescriptions by Cover Type in Section One of this chapter, unless prescribed otherwise in the site-specific prescriptions below.• Develop 2 new flowages to enhance habitat for waterfowl.• Reserve from management the 14-acre stand of 180-year-old oak.
<i>Accomplishments 2014</i>	Embarrass Flowage dike had a leak which was repaired.

Special Management Area: Wolf River Bottoms Wildlife Area – Herb Behnke Unit

<i>MASTER PLAN OBJECTIVES</i>	Provide areas and facilities to support routine, seasonal, and incidental operations and administration needs.
<i>Accomplishments 2014</i>	<p>Additional cabinets installed. Old carpet removed with new flooring installed in upstairs bedrooms.</p> <p>Maintained Sturgeon house and sheds for use by DNR Law Enforcement use during sturgeon guard and Wildlife Management staff use for intern housing.</p>

Public Use, Management, and Development: Wolf River Bottoms Wildlife Area – Herb Behnke Unit

MASTER PLAN OBJECTIVES	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none"> • Maintain 3 parking areas on the property. • Develop a Class 2 dog training area in the northeast corner of the property, including a 10-car parking area. • Designate Osprey Flowage in the northwest corner of the property (~740 acres) as a waterfowl closed area with no entry during the open migratory bird seasons except for the regular deer gun and muzzleloader seasons. Legally taken migratory birds may be retrieved by hand or dog while not possessing a firearm in posted waterfowl retrieval zones. • Study potential strategies for managing waterfowl hunting pressure on this and adjacent state properties during traditional peak use times to enhance hunting quality.
<i>Accomplishments 2014</i>	<p>Maintained parking areas by cleaning up litter and mowing grass and brush, if needed.</p> <p>Issued 2 PDMD permits for access.</p>

Property: Outagamie Wildlife Area

Habitat Management Area

MASTER PLAN OBJECTIVES	Management will be in accordance with the general Habitat Management Area Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Follow the applicable Habitat Management Area Prescriptions, Aquatic Habitat Overlay Prescriptions, and Management Prescriptions by Cover Type in Section One of this chapter, unless prescribed otherwise in the site-specific prescriptions below.• Maintain some shrub cover in the southern grassland unit on the east side of the Wolf River for woodcock habitat.• Maintain the pumping station for flowage management.
<i>Accomplishments 2014</i>	A 100-acre Hardwood thinning was completed in late winter 2014.

Public Use, Management, and Development: Outagamie Wildlife Area

MASTER PLAN OBJECTIVES	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Maintain 4 parking areas on the property.• Open the existing 50-acre closed area to waterfowl hunting in favor of creating a larger closed area as a waterfowl refuge on an adjacent property.• Study potential strategies for managing waterfowl hunting pressure on this and adjacent state properties during traditional peak use times to enhance hunting quality.
<i>Accomplishments 2014</i>	Maintained parking areas by cleaning up litter and mowing grass and brush, if needed.

Property: Mack Wildlife Area

Habitat Management Area

<i>MASTER PLAN OBJECTIVES</i>	Management will be in accordance with the general Habitat Management Area Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Follow the applicable Habitat Management Area Prescriptions and Management Prescriptions by Cover Type in Section One of this chapter, unless prescribed otherwise in the site-specific prescriptions below.• Consider a coppice cutting or biomass harvest to control the infestation of buckthorn on this property and to reduce competition with aspen.• Manage existing grassland areas as openings within a mosaic of trees and shrubs for woodcock singing and roosting areas.
<i>Accomplishments 2014</i>	

Public Use, Management, and Development: Mack Wildlife Area

<i>MASTER PLAN OBJECTIVES</i>	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter. <ul style="list-style-type: none">• Maintain 2 parking areas on the property.
<i>Accomplishments 2014</i>	Maintained parking areas by cleaning up litter and mowing grass and brush, if needed.

Property: Wolf River Bottoms Wildlife Area – LaSage Unit

Habitat Management Area

<i>MASTER PLAN OBJECTIVES</i>	Management will be in accordance with the general Habitat Management Area Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Follow the applicable Habitat Management Area Prescriptions, Aquatic Habitat Overlay Prescriptions, and Management Prescriptions by Cover Type in Section One of this chapter, unless prescribed otherwise in the site-specific prescriptions below.• Pursue necessary reconstruction and repair of dikes, water control structures, and culverts in order to continue managing water levels in the impoundment.
<i>Accomplishments 2014</i>	

Native Community Management Area: LaSage Bottoms State Natural Area

<i>MASTER PLAN OBJECTIVES</i>	<ul style="list-style-type: none">• Maintain a functioning Floodplain Forest ecosystem that contains many older trees and large-diameter trees, snags, coarse woody debris, smaller patches of younger regenerating forest, habitat for the fullest range of Floodplain Forest species as possible, and minimal populations of invasive exotic species.• Utilize natural processes and active management that mimic natural disturbance.
<i>Accomplishments 2014</i>	

Special Management Area: Wolf River Bottoms Wildlife Area – LaSage Unit

MASTER PLAN OBJECTIVES	Reclaim the site and provide a camping area for paddlers making multiple-day float trips on the Wolf River.
Accomplishments 2014	

Public Use, Management, and Development: Wolf River Bottoms Wildlife Area – LaSage Unit

MASTER PLAN OBJECTIVES	<p>The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.</p> <ul style="list-style-type: none">• Maintain 1 parking area on the property
Accomplishments 2014	<p>Maintained parking areas by cleaning up litter and mowing grass and brush, if needed.</p> <p>Issued 1 PDMD access permit.</p>

Property: Hortonville Bog State Natural Area

Native Community Management Area

MASTER PLAN OBJECTIVES	Maintain the site as a reserve for Northern Wet Forest and Black Spruce Swamp communities, as a wetland protection site, and as an ecological reference area.
Accomplishments 2014	

Public Use, Management, and Development: Hortonville Bog State Natural Area

MASTER PLAN OBJECTIVES	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Improve the existing parking area in the southwest corner of the property.• Maintain the existing row of trees running in a line east of the parking area to delineate adjacent private land.
<i>Accomplishments 2014</i>	

Property: Wolf River Fishery Area

Native Community Management Area: Lower Wolf and Embarrass River Corridors

MASTER PLAN OBJECTIVES	Follow the description, objectives, and prescriptions for this NCMA on pages 12-15. Below are unique prescriptions for habitats not covered by management of the NCMA.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Maintain or enhance the connection of the canal to the Embarrass River to provide at a minimum a seasonal spring influx of fresh water to avoid stagnation of the canal.• Keep the canal relatively clear of downed trees that would block or significantly reduce the flow of water.
<i>Accomplishments 2014</i>	

Public Use, Management, and Development: Wolf River Fishery Area

<i>MASTER PLAN OBJECTIVES</i>	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter. <ul style="list-style-type: none">• Continue to pursue opportunities to improve access and parking
<i>Accomplishments 2014</i>	No action taken in 2014.

Property: Mukwa Wildlife Area

Native Community Management Area: Mukwa Bottomland Forest State Natural Area

<i>MASTER PLAN OBJECTIVES</i>	Maintain the site as an old-growth Floodplain Forest preserve, aquatic preserve, wetland protection site, and as an ecological reference area, primarily through natural processes.
<i>Accomplishments 2014</i>	Ecological Reference Area – no action taken.

Public Use, Management, and Development: Mukwa Wildlife Area

<i>MASTER PLAN OBJECTIVES</i>	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Maintain 2 parking areas on the property.• Maintain easement agreement with Waupaca County for management and maintenance of the Sturgeon Trail.
<i>Accomplishments 2014</i>	Two parking areas maintained. Initiated Development project to renovate third parking area at Thompson Rd. Continue to improve condition of property boundary posting.

Property: Shaky Lake State Natural Area

Native Community Management Area

MASTER PLAN OBJECTIVES	Maintain this marl-bottomed bog lake and associated Northern Wet Forest and Northern Sedge Meadow communities.
Accomplishments 2014	

Public Use, Management, and Development: Shaky Lake State Natural Area

MASTER PLAN OBJECTIVES	<p>The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.</p> <ul style="list-style-type: none">• Continue to pursue opportunities to improve access.
Accomplishments 2014	LE and WM staff with assistance from FVTC and local hunting clubs improved town road right-of-way leading to SNA to improve public foot access. Surveyed/marked ROW and cleared brush to create a walking path.

Property: Wolf River Wildlife Area

Habitat Management Area

MASTER PLAN OBJECTIVES	Management will be in accordance with the general Habitat Management Area Objectives and Aquatic Habitat Overlay Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Follow the applicable Habitat Management Area Prescriptions, Aquatic Habitat Overlay Prescriptions, and Management Prescriptions by Cover Type in Section One of this chapter, unless prescribed otherwise in the site-specific prescriptions below.• Marsh hay cutting may be used as a management tool in some areas.
<i>Accomplishments 2014</i>	Had ~235 acres under contract for marsh hay cutting, however, due to wet conditions no marsh hay was cut.

Public Use, Management, and Development: Wolf River Wildlife Area

MASTER PLAN OBJECTIVES	The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Maintain 2 parking areas on the property, and develop an additional 4-car parking area.• Maintain 180-acre closed area on the Metzger Marsh segment as a waterfowl refuge (NR 11.03(11)(a), Wis. Admin. Code).• Evaluate the effectiveness of the closed area in retaining waterfowl use on this property for the benefit of waterfowl hunting in the general area. Propose changes to or elimination of the closed area based on this evaluation.
<i>Accomplishments 2014</i>	Used Capital Development funds to renovate one parking lot with new gravel and stone barriers. Maintained parking areas by cleaning up litter and mowing grass and brush, if needed.

Property: Rat River Wildlife Area

Habitat Management Area

<i>MASTER PLAN OBJECTIVES</i>	Management will be in accordance with the general Habitat Management Area Objectives and Aquatic Habitat Overlay Objectives provided in Section One of this chapter.
<i>Appropriate Management Activities or Prescriptions</i>	<ul style="list-style-type: none">• Follow the applicable Habitat Management Area Prescriptions, Aquatic Habitat Overlay Prescriptions, and Management Prescriptions by Cover Type in Section One of this chapter, unless prescribed otherwise in the site-specific prescriptions below.• Marsh hay cutting may be used as a management tool in some areas.
<i>Accomplishments 2014</i>	There were ~560 acres of Marsh hay contracts for the property, however, due to wet conditions, approximately 150 acres were cut.

Public Use, Management, and Development: Rat River Wildlife Area

<i>MASTER PLAN OBJECTIVES</i>	<p>The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.</p> <ul style="list-style-type: none">• Maintain 7 parking areas on the property.
<i>Accomplishments 2014</i>	Used capital development funds to renovate 7 parking lots with new gravel and increase size and barriers. Maintained parking areas by cleaning up litter and mowing grass and brush, if needed.

Property: Winchester Meadow State Natural Area

Native Community Management Area

MASTER PLAN OBJECTIVES	Protect the functioning Northern Sedge Meadow and Emergent Marsh communities present.
Accomplishments 2014	

Public Use, Management, and Development: Winchester Meadow State Natural Area

MASTER PLAN OBJECTIVES	<p>The following prescriptions support the general public use objectives presented in the Universal Plan Section at the beginning of this chapter.</p> <ul style="list-style-type: none">• Continue to pursue opportunities to improve access.
Accomplishments 2014	